Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Substitute for form 1449A/PTO                                                                                                                                                                                                                                                                           |                           |                                                                                       |  |                                            | L | Application Number                                 | Filed Herewith                                                                             |                                                   |       |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|--|--------------------------------------------|---|----------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------|-------|----------------|
|                                                                                                                                                                                                                                                                                                         |                           |                                                                                       |  |                                            |   | Filing Date                                        | November 17, 2003                                                                          |                                                   |       |                |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT                                                                                                                                                                                                                                                        |                           |                                                                                       |  |                                            |   | First Named Inventor:                              | Thomas Hantschel                                                                           |                                                   |       |                |
| (use as many sheets as necessary)                                                                                                                                                                                                                                                                       |                           |                                                                                       |  |                                            |   | Examiner name: unknown                             | GROUP: unknown                                                                             |                                                   |       |                |
| Sheet                                                                                                                                                                                                                                                                                                   | 1 of                      |                                                                                       |  | 1                                          |   | Attorney Docket Number                             | A3235 (XCP-035)                                                                            |                                                   |       |                |
| U.S. PUBLISHED PATENT APPLICATIONS                                                                                                                                                                                                                                                                      |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| Examiner<br>Initials*                                                                                                                                                                                                                                                                                   | Cited<br>No. 1            | U.S<br>Numbe                                                                          |  | Document Kind Code <sup>2</sup> (if known) |   | Name of Patentee or Applicant of<br>Cited Document | Date of Publication of Cited Document MM-DD-YYYY Pages, Columns, Line Where Relevant Info. |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         | A01                       | 5944537                                                                               |  |                                            | S | Smith et al.                                       | 08/31/1999                                                                                 |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         | A02                       | 6183267                                                                               |  | B1                                         | N | Marcus et al. 02/06/2001                           |                                                                                            |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         | A03                       | 6299462                                                                               |  | B1                                         | E | Bielgelsen                                         | 10/09/2001                                                                                 |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         | A04                       | 6352454                                                                               |  | B1                                         | k | Kim et al.                                         | 03/05/2002                                                                                 |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         | A05                       | 6582989                                                                               |  | B2                                         | E | Biegelsen et al.                                   | 06/24/2003                                                                                 |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| U.S. PATENT DOCUMENTS                                                                                                                                                                                                                                                                                   |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| Examiner<br>Initials*                                                                                                                                                                                                                                                                                   | Cited<br>No. <sup>1</sup> | U.S. Patent Document Number Kind Code <sup>2</sup> (if known)                         |  |                                            | Т | Name of Patentee or Applicant of<br>Cited Document | Date of Publication of Cited Docume MM-DD-YYYY                                             | ent Where Relevant Info.                          |       |                |
|                                                                                                                                                                                                                                                                                                         |                           |                                                                                       |  |                                            |   |                                                    | •                                                                                          |                                                   |       |                |
| FOREIGN PATENT DOCUMENTS                                                                                                                                                                                                                                                                                |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| Examiner<br>Initials*                                                                                                                                                                                                                                                                                   | Cited<br>No. 1            | Foreign Patent Document  Kind Code Office <sup>3</sup> Number <sup>4</sup> (if known) |  |                                            |   | Name of Patentee or Applicant of Cited Document    | Date of Publication of Cited Document MM-DD-YYYY                                           | Pages, Columns, Lines Where Relevant Info. Appear |       | T <sup>6</sup> |
|                                                                                                                                                                                                                                                                                                         |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   | W. S. |                |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)                                                                                                                                                                                                                                  |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| Despont et al.: "Wafer-Scale Microdevice Transfer/Interconnect: From A New Integration Method To Its Application In An AFM-Based Data-Storage System", 2003 IEEE, 12 <sup>th</sup> International Conference on Solid State Sensors, Actuators and Microsystems, Boston, June 8-12, 2003, pp. 1907-1910. |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| Wada et al.: "Fine Pitch Micro Probe Tips Using Thin Film Amorphous Alloy Under The Micromachining Fabrication Technology, Advantest Laboratories Ltd., Precision and Intelligence Laboratories, Tokyo Institute of Technology, 6/6/2001.                                                               |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
|                                                                                                                                                                                                                                                                                                         |                           |                                                                                       |  |                                            |   |                                                    |                                                                                            |                                                   |       |                |
| EXAMINER                                                                                                                                                                                                                                                                                                |                           |                                                                                       |  |                                            |   | DATE CONSIDERED                                    |                                                                                            |                                                   |       |                |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.